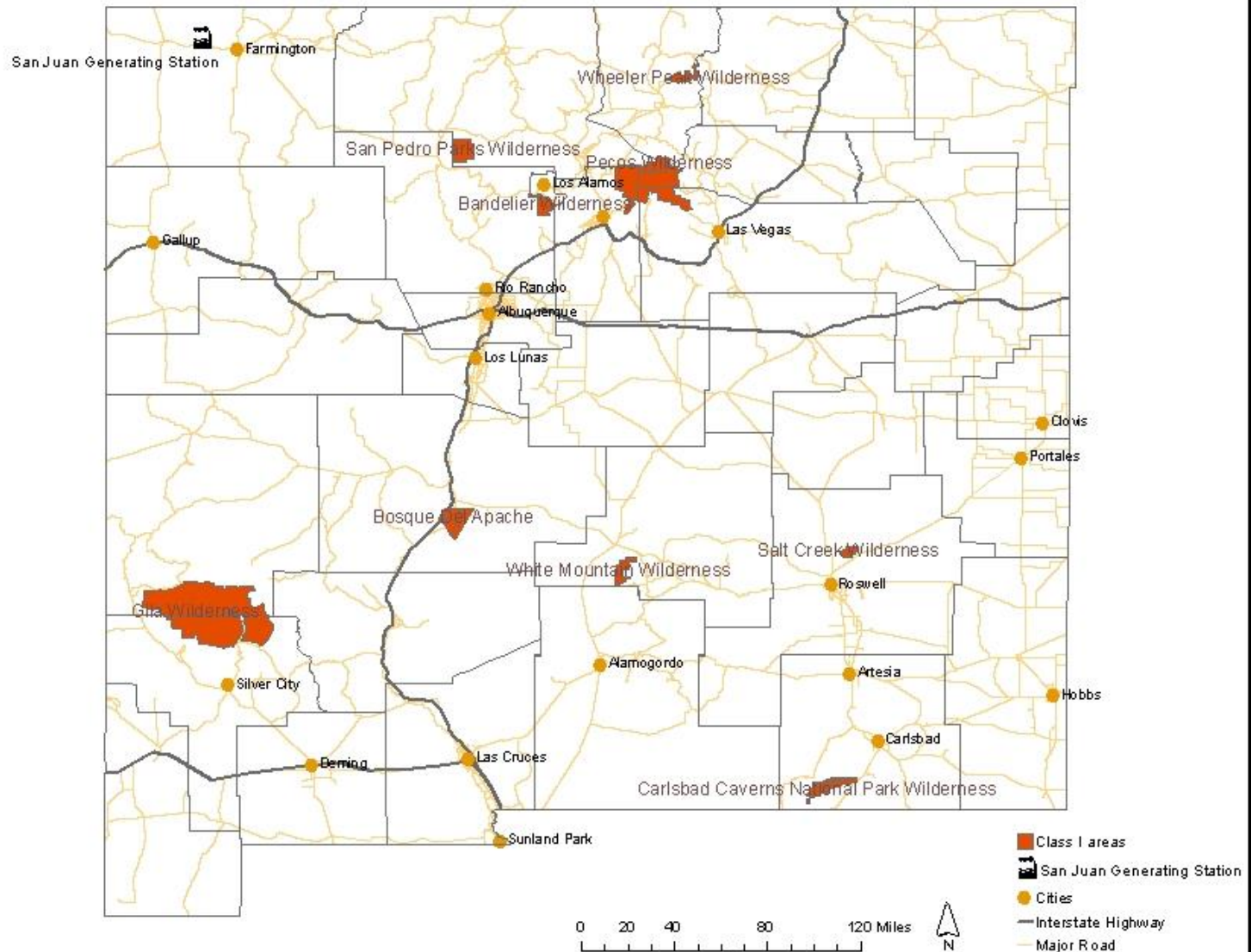


New Mexico and Colorado Regional Haze Update

Four Corners Air Quality Group

September 10, 2013

Class I Areas within New Mexico



Best Available Retrofit Technology for San Juan Generating Station



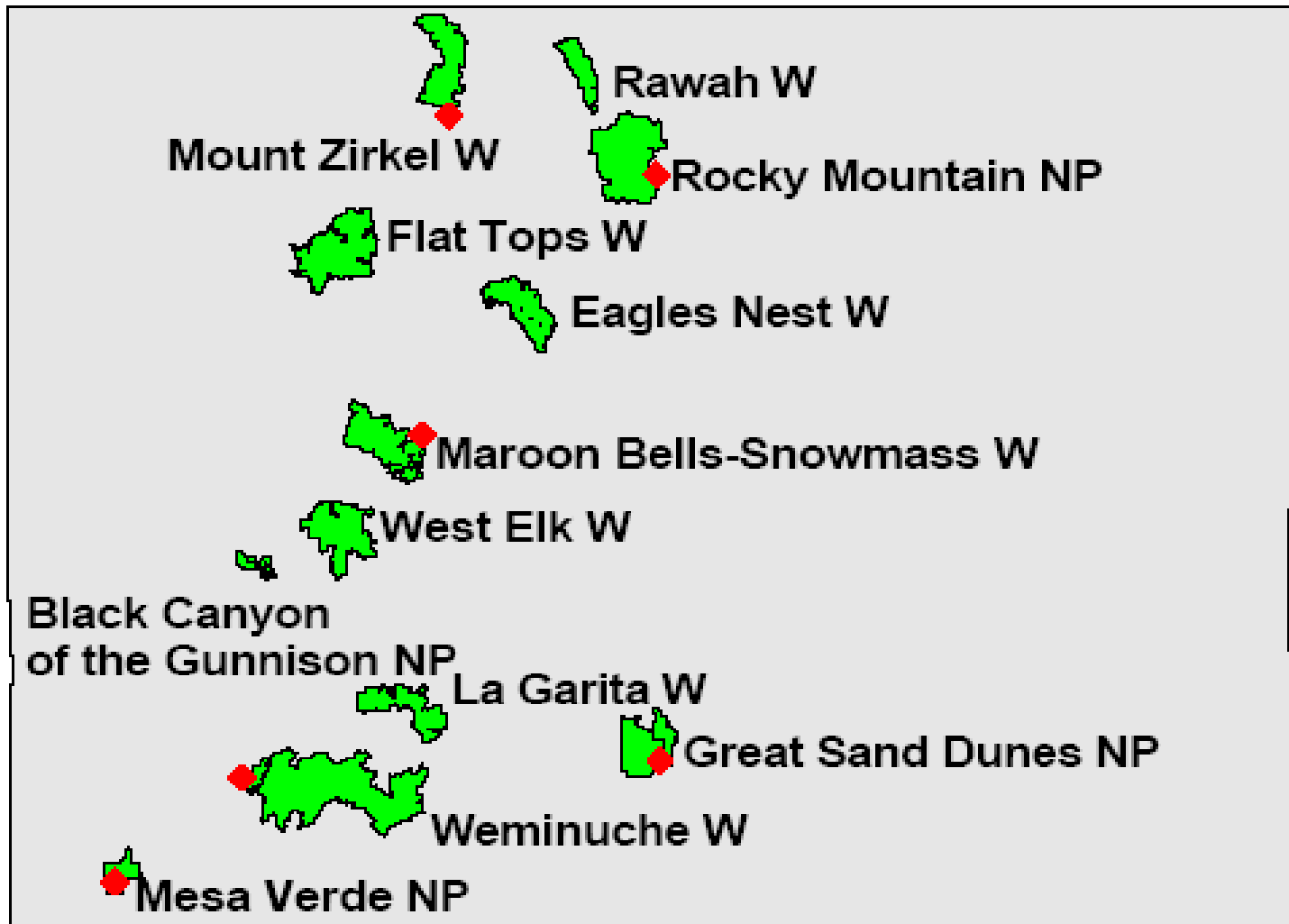
**San Juan Generating Station
Comparison of Visibility Improvement
3-Year Average Visibility Results (deciviews)**

Class I Area	EPA FIP (4 SCR)	NM 2013 BART
Canyonlands	2.02	1.78
Mesa Verde	2.91	2.44
San Pedro Parks	1.38	1.29
Weminuche	1.55	1.42

Other Provisions

- Reduce sulfur dioxide (SO₂) by one third from 0.15 lb/MMBtu to 0.10 lb/MMBtu
- Requires testing to determine if nitrogen oxide (NO_x) limits can be reduced
- Timely implementation (2017)

Colorado Class I Areas



Colorado Regional Haze Plan

Overview

- Extensive process involving analysis of dozens of emissions units
 - Primarily coal-fired power plants
 - SO₂ and NO_x controls
- Innovative process for Public Service Company of Colorado's Units under HB10-1365
 - Better than BART alternative relying on combination of facility shutdowns, conversion to natural gas and advanced controls
- Significant emission reductions from other sources using traditional SIP process
- Approximately 71,000 tons per year of NO_x, SO₂ and PM reductions by 2018

Regional Haze in Mesa Verde National Park

- Largest anthropogenic source categories
 - Power plants
 - Oil and gas sources
- Organic carbon major contributor for Mesa Verde
 - Fire contribution being researched through modeling and monitoring
- Modeled 0.53 deciview visibility improvement for 20% worst days
 - 37% of uniform rate of progress goal for 2018
 - Does not account for reductions from Regional Haze controls outside Colorado

Next Steps

- 2013 Progress Report
 - In the form of a SIP revision
 - New Mexico hearing tentatively scheduled for December 2013
- 2018 Major SIP Revision
- EPA is also considering revisions to the Regional Haze Rule

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<http://www.colorado.gov/cs/Satellite/CDPHE-AP/CBON/1251594862597>

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http://www.nmenv.state.nm.us/aqb/reghaz/regional-haze_index.html